CLAIMS

We claim:

1	1. A method of operating an intrusion detection system, the method comprising the steps of:
2	determining a present alert generation rate of an intrusion detection system;
3	comparing the present alert generation rate with an alert generation rate threshold; and
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State of the state	2. A method of operating an intrusion detection sensor, the method comprising the steps of:
A H.	determining a present alert generation rate of an intrusion detection sensor;
3	comparing the present alert generation rate with an alert generation rate threshold; and
4	when the present alert generation rate exceeds the alert generation rate threshold, altering
5	an element of a signature set of the intrusion detection sensor to decrease an alert generation rate

of the intrusion detection sensor.

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- 3. The method of claim 2, wherein the element is a signature threshold quantity.
- 4. The method of claim 2, wherein the element is a signature threshold interval.
- 5. A method of operating an intrusion detection system, comprising the steps of:

monitoring for occurrence of a signature event; and

when a signature event occurs, increasing a value of a signature event counter and comparing the value of the signature event counter with a signature threshold quantity; and

when the value of the signature event counter exceeds the signature threshold quantity, generating an alert, recording a time of generating the alert in a log, determining from contents of the log a present alert generation rate, and comparing the present alert generation rate with an alert generation rate threshold; and

when the present alert generation rate exceeds the alert generation rate threshold, altering an element of a signature set of an intrusion detection system to decrease an alert generation rate of an intrusion detection sensor.

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- 1 6. The method of claim 5, wherein the element is a signature threshold quantity.
- 7. The method of claim 5, wherein the element is a signature threshold interval.
- 8. Programmable media containing programmable software for operation of an intrusion
- 2 detection system, programmable software comprising the steps of:

determining a present alert generation rate of an intrusion detection system;

comparing the present alert generation rate with an alert generation rate threshold; and

altering an element of a signature set of the intrusion detection system responsive to an outcome of the step of comparing.

- 9. Programmable media containing programmable software for operation of an intrusion
- detection sensor, programmable software comprising the steps of:
- determining a present alert generation rate of an intrusion detection sensor;
- 4 comparing the present alert generation rate with an alert generation rate threshold; and
- when the present alert generation rate exceeds the alert generation rate threshold, altering
 an element of a signature set of the intrusion detection sensor to decrease an alert generation rate
 of the intrusion detection sensor.

- 1 10. Programmable media containing programmable software for operation of an intrusion
- detection system, programmable software comprising the steps of:
- 3 monitoring for occurrence of a signature event; and

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- 4 when a signature event occurs, increasing a value of a signature event counter and
- 5 comparing the value of the signature event counter with a signature threshold quantity; and

when the value of the signature event counter exceeds the signature threshold quantity, generating an alert, recording a time of generating the alert in a log, determining from contents of the log a present alert generation rate, and comparing the present alert generation rate with an alert generation rate threshold; and

when the present alert generation rate exceeds the alert generation rate threshold, altering an element of a signature set of an intrusion detection system to decrease an alert generation rate of an intrusion detection server.

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- 1 11. The programmable media of claim 10, wherein the element is a signature threshold quantity.
- 1 12. The programmable media of claim 10, wherein the element is a signature threshold interval.